

IN THE CLAIMS

Please amend the claims as follows:

1-9. (canceled)

10. (Currently Amended): ~~[[A]]~~ An irradiated resin molded article characterized in that the resin molded article is a molded article obtained by irradiating, with an electron beam, a resin molded article containing comprising

100 to 60 parts by weight of (A) syndiotactic 1,2-polybutadiene having a crystallinity of 5% or more, and

0 to 40 parts by weight of (B) at least one thermoplastic polymer selected from the group of polypropylene, a styrene-butadiene-styrene block copolymer (~~SBS~~), a styrene-isoprene-styrene block copolymer (~~SIS~~), a hydrogenated styrene-butadiene-styrene block copolymer, a hydrogenated styrene-isoprene-styrene block co-polymer, thereof (~~SEBS or SEPS~~), a polybutadiene (~~BR~~) other than the syndiotactic 1,2-polybutadiene, an ABS acrylonitrile-butadiene-styrene resin, a polyisoprene, a polyethylene (~~LLDPE, ULDPE or LDPE~~), an ethylene-vinyl acetate copolymer, an ethylene-acrylate ester copolymer and an ethylene-methacrylate copolymer ~~[with the proviso that (A)+(B)=100 parts by weight],~~

with the proviso that (A)+(B)=100 parts by weight,

~~with an electron beam,~~ in which the irradiation dose of the electron beam is from 5 to 200 in Mrad,

wherein the 50% tensile stress at the 50% point of the tensile strength curve of the irradiated resin molded article, as measured in MPa, of the molded article after the electron beam irradiation (50% M:M2) is from 1.01 to 2.5 times the tensile stress at the 50% point of the tensile strength curve, as measured in MPa, of the resin molded article, and

wherein the irradiated resin ~~50% stress before the electron beam irradiation (50% M:M1), and the~~ molded article has steam sterilization resistance.

11. (Currently Amended): The irradiated resin molded article according to claim 10, which has transparency that the haze value of a 2-mm sheet is 50 or less.

12. (Currently Amended): The irradiated resin molded article according to claim 11, which has a toluene insoluble matter after the electron beam irradiation of 50 to 99% by weight.

13. (Currently Amended): The irradiated resin molded article according to claim 12, wherein the shape of the molded article is at least one selected from the group of a tube, a sheet, a film, a bag and a connector.

14. (Currently Amended): The irradiated resin molded article according to claim 13, which is for medical applications.

15. (Currently Amended): The irradiated resin molded article according to claim 14, which has a halogen atom content of 50 ppm or less.

16. (Currently Amended): The irradiated resin molded article according to claim 10, which has a toluene insoluble matter after the electron beam irradiation of 50 to 99% by weight.

17. (Currently Amended): The irradiated resin molded article according to claim 10, wherein as for electron beam dose, the product of electron beam acceleration voltage in kV ~~[[kV]]~~ and irradiation dose in Mrad (~~Mrad~~) is from 2 to 1,000,000 kVMrad (~~kVMrad~~).

18. (Currently Amended): The irradiated resin molded article according to claim 17, which has transparency that the haze value of a 2-mm sheet is 50 or less.

19. (Canceled).

20. (Currently Amended): The irradiated resin molded article according to claim 19, which has a halogen atom content of 50 ppm or less.

21. (Currently Amended): The irradiated resin molded article according to claim 10, wherein the shape of the molded article is at least one selected from the group of a tube, a sheet, a film, a bag and a connector.

22. (Canceled).

23. (Currently Amended): The irradiated resin molded article according to claim 22, which has a halogen atom content of 50 ppm or less.

24. (Currently Amended): The irradiated resin molded article according to claim 10, which has a halogen atom content of 50 ppm or less.

25. (Canceled).

26. (Currently Amended): A processed product obtained by processing [[a]] an irradiated resin molded article obtained by irradiating a resin molded article, with an electron beam, the resin molded article comprising containing

100 to 60 parts by weight of (A) syndiotactic 1,2-polybutadiene having a crystallinity of 5% or more, and

0 to 40 parts by weight of (B) at least one thermoplastic polymer selected from the group of polypropylene, a styrene-butadiene-styrene block copolymer (SBS), a styrene-isoprene-styrene block copolymer (SIS), a hydrogenated styrene-butadiene-styrene block copolymer, a hydrogenated styrene-isoprene-styrene block copolymer, thereof (SEBS or SEPS), a polybutadiene (BR) other than the syndiotactic 1,2-polybutadiene, an acrylonitrile-butadiene-styrene resin ABS resin, a polyisoprene, a polyethylene (LLDPE, ULDPE or LDPE), an ethylene-vinyl acetate copolymer, an ethylene-acrylate ester copolymer and an ethylene-methacrylate copolymer,

with the proviso that (A)+(B)=100 parts by weight ~~with the proviso that (A)+(B)=100 parts by weight~~, with an electron beam,

in which the irradiation dose of the electron beam is from 5 to 200 in Mrad,

~~in which wherein~~ the 50% tensile stress at the 50% point of the tensile strength curve of the irradiated molded article, as measured in MPa, of the molded article after the electron beam irradiation (50% M:M2) is from 1.01 to 2.5 times the tensile stress at the 50% point of the tensile strength curve, as measured in MPa, of the resin molded article, 50% stress before the electron beam irradiation (50% M:M1), and

wherein the irradiated molded article has steam sterilization resistance.

27. (Canceled).